

*KHODANOVA, R. N.*

**XHODANOVA, R.N.**

Using an intranasal novocaine block. Vest.oto-rin. 19 no.3:117  
My-Je '57. (MIRA 10:10)

1. Is klinicheskoy bol'nitsy No.6 Ministerstva zdravookhraneniya  
SSSR, Moskva.  
(NOVOCAIN)

KRODANOVA, R.N.

Long-term retention of a large foreign body in the larynx. West.  
otorin. 22 no.6:89-90 '60. (MIRA 14:1)

1. Iz klinicheskoy bol'nitsy No.6, Moskva.  
(LARYNX—FOREIGN BODIES)

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CIA-RDP86-00513R000722120004-3

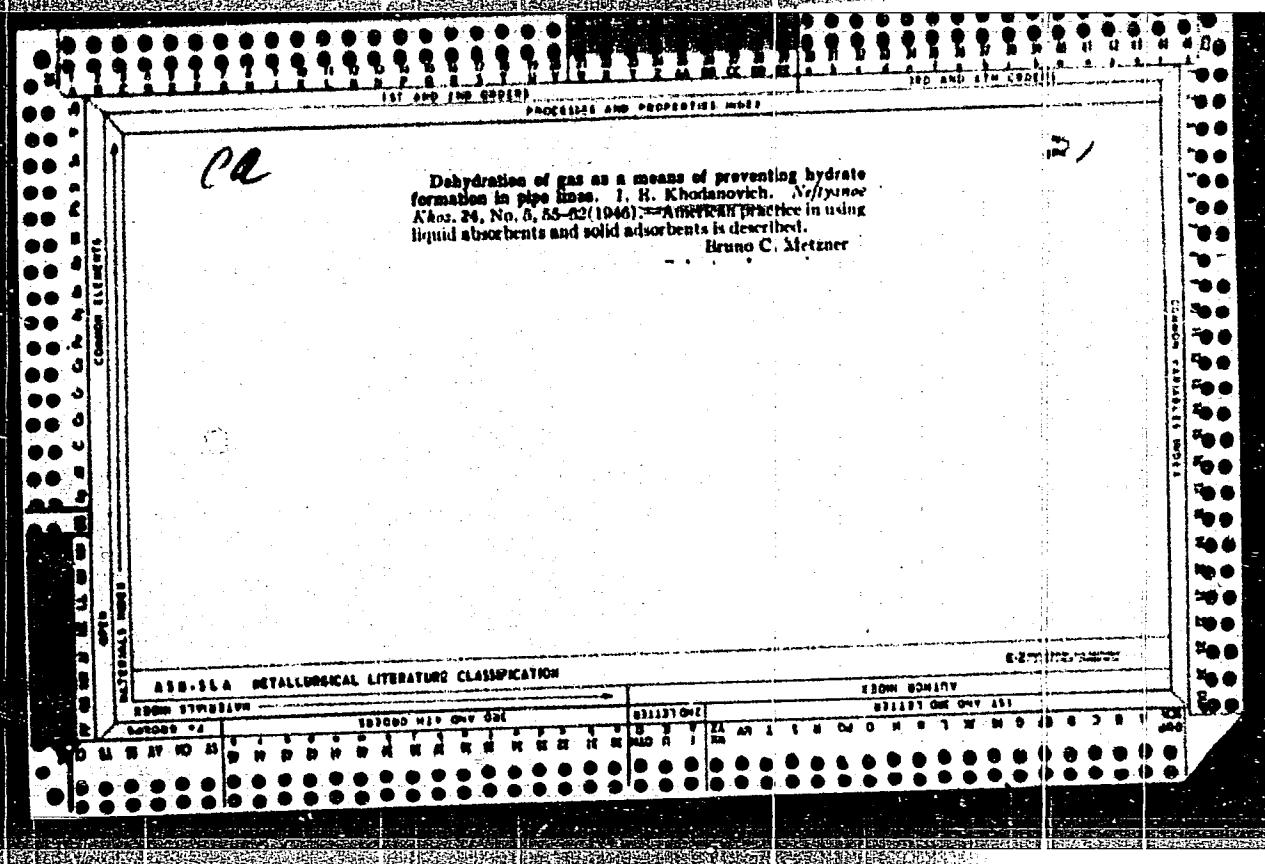
KHODANOVICH, I. Ye.; STROZHOV, I. N.

Dobycha gaza [Gas Production], Moscow-Leningrad, 1946.

No. 444, 16 Aug 55

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KHODANOVICH, I. Ye.

BRISEMAN, Aleksandr Arkad'yevich; IVANOV, Aleksandr Kornilovich;  
KOZLOV, Anatoliy L'vovich; MIHSKIY, Yevgeniy Markovich; PALTA,  
Eruvin Solomonovich; RAABEN, Vladimir Nikolayevich, redaktor;  
KHODANOVICH, Ivan Yefinovich, redaktor; SHAKHNAZAROV, Mikhail  
Khasroyevich; POLOSTINA, A.S., tekhnicheskij redaktor

[Gas production and transportation] Dobycha i transport gaza.  
Pod Red. V.N.Raabena i I.E. Khodanovicha. Moskva, Gos. nauchno-  
tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1955. 551 p.  
(MLRA 8:10)

(Gas, Natural) (Pipelines)

KHODANOVICH, I.Ye.

Change of gas pressure at the end of a pipeline during its evacuation.  
Gas.prom.no.2:31-33 F '56. (MLRA 10:1)

(Natural--Pipelines)  
(Gases)

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*KHODANOVICH, I. YE-*

USSR/Chemical Technology - Chemical Products and Their  
Application. Treatment of Natural Gases and Petroleum.  
Motor and Jet Fuels. Lubricants. I-8

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2574

Author : Khodanovich, I.Ye., Khalif, A.L.

Inst : All-Union Scientific Research Institute of Natural Gases.

Title : Some Problems of Recovery of the Gas Associated with  
Petroleum at the Fields of Tatneft Federation.

Orig Pub : Tr. Vses. n.-i. in-t prirodn. gazov, 1957, No 1(9), 3-9

Abstract : The problems considered are those of recovery and trans-  
port of the gas at the fields, uninterrupted operation of  
the pumping system, and of maximum retention, in the gas,  
of the gasoline which is separated at the gasoline reco-  
very plant.

Card 1/1

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Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 7, p 32 (USSR)

AUTHORS: Khodanovich, I.Ye., Nefelova, N.V.

TITLE: On the Pressure Conditions in a Gas Conduit as It Fills up With  
Gas (O rezhime davleniy v gazoprovode pri zapолнenii yego  
gazom)

PERIODICAL: Tr. Vses. n.-i. in-t prirodn. gazov, 1957, Nr 1(9), pp 10-16

ABSTRACT: It is pointed out that in a gas main in the process of being  
filled with gas the pressure in it increases as a function of the  
quantity of gas  $Q$  being pumped in, the length and diameter of  
the conduit, and the time  $t$ . It is stated that there are two pos-  
sible ways of filling a gas conduit with gas: 1) the gas is fed  
into an empty conduit or into one in which atmospheric pressure  
prevails; 2) the gas is fed into a conduit which is already filled  
with gas and in which the prevailing pressure is greater than  
that of the atmosphere. The first case has been theoretically  
examined by Ribaud (Ribaud, G., C.r. Acad. sci., 1951, Vol  
233; 1952, Vol 234), who from the equations of motion and con-  
tinuity obtained the following formulae for the pressure  $P_x$  and  
the gas flow rate  $Q_x$  along the conduit during the filling  
operation:

Card 1/2

SOV/124-58-7-7543

## On the Pressure Conditions in a Gas Conduit as It Fills up With Gas

$$P_x = P \sqrt[3]{t} F (axt^{-2/3}), \quad Q_x = Q \varphi (axt^{-2/3}),$$

wherein  $x$  is the distance from the starting point to the conduit section under study,  $t$  is the time elapsed,  $P_x$  and  $P$  are the pressures,  $Q_x$  and  $Q$  are the gas flow rates,  $a$  is a coefficient, and  $F$  and  $\varphi$  are certain functions. When simplifying assumptions are made with respect to the functions  $F$  and  $\varphi$ , and when certain other assumptions are adopted, engineering formulae are evolved which determine the quantity of gas passing through any section of the conduit at a given moment and the pressure at any point in the conduit. Examples of calculations are examined. The fact is mentioned that an experimental test made in the Kokhtla-Yarve-to-Tallin conduit showed a satisfactory agreement between calculated and observed pressures. A similar comparison of the observed gas volumes traversing given sections of the conduit with the calculated volumes was not made.

G.Ye. Khudyakov

1. Gases--Pressure
2. Pipes--Applications
3. Mathematics--Applications

Card 2/2

APEL'TSYN, I.E., doktor tekhn.nauk; BARS, Ye.A., kand.geol.-min.nauk;  
BORISOV, Yu.P., kand.tekhn.nauk; VELIKOVSKIY, A.S., prof.; VYSOTSKIY,  
I.V., kand.geol.min.nauk; GOVGROVA, G.L., dots.; DAKHNOV, V.H., prof.  
ZHDANOV, M.A., prof.; ZHUKOV, A.I., dots.; KOTIAKHOB, F.I., prof.;  
KREMS, A.Ya., doktor geol.-min.nauk; MURAV'YEV, I.M., prof.;  
MUSHIN, A.Z., inzh.; NAMJOT, A.Kh., kand.tekhn.nauk; KHODANOVICH,  
I.Ye., kand.tekhnnauk; KHLYSTOV, V.T., inzh.; CHERNOV, B.G., kand.  
tekhn.nauk; SHUROV, V.I., dots.; SAVINA, Z.A., vedushchiy red.;  
POLOSINA, A.S., tekhn.red.

[Manual fo petroleum extraction] Spravochnik po dobysche nefti.  
Pod obshchei red. I.M.Murav'sva. Moskva, Gos. anuchno-tekhn.izd-vo  
neft. i gorno-toplivnoi lit-ry. Vol. 1. 1958. 540 p. (MIRA 11:4)  
(Petroleum industry)

KHODANOVICH, I.Ye.; NEFELOVA, N.V.

Measuring the efficiency of gas pipelines. Trudy VNIIGAZ no.2:163-171  
'58. (MIRA 12:1)

(Gas, Natural--Pipelines)

KHOTANOVICH, I.Ye.

~~E~~ffectiveness of blowing gas pipe lines. Gaz. prom. no.3:45-49  
Mr '58. (MIRA 11:3)  
(Gas, Natural--Pipelines)

KHODANOVICH, I.

Gas industry at the Brussels World Fair. Gaz. prom. no.9:  
50-52 S '58. (MIRA 11:10)  
(Brussels--Exhibitions) (Gas manufacture and works)

*KHODANOVICH, I.Y.*

207/2253

## PLATE 1 BOOK EXPLANATION

Khodanovich, I. Y. (Khodanovitch, I. Ye.) (Khodanovitch, I. Ye.). Gas transport gas (development, and exploitation of gas fields; transportation of gas). Moscow, Gostoptekhnizdat, 1959. 353 p. (Series: Issled. Trudy, vyp. 5/13) Errata slip inserted. 1,500 copies printed.

Sponsoring Agency: Glavnoye gosudarstvennoye gosudarstvennoye prikladnoye in-tstvostvo po razvedivaniyu i izucheniiu nefti i gaza

Moskva 125262

Editor: Ye. N. Kostylev and V. N. Nezamjatov. Transl. Ed.: N.P. Marquardt. Tech. Eds.: A.S. Polozina.

Preface: This collection of articles is intended for scientists, engineers, and technicians associated with the gas industry.

CONTENTS: The articles discuss the development of gas fields, natural gas recovery, gas transportation, and submarine gas conservation. The field operating conditions are analyzed from the commercial point of view. The necessity that due to the specific geological conditions prevailing in the Soviet Union, the application of gas extraction methods of the type used in the U.S. does not always advantage. Individual articles discuss problems of the development of gas fields with narrow oil-containing strings, the theory of gas saturation, the study of gas well performance, gas filtration dynamics, and the study of gas established gas flow in pipelines, and discuss theoretical problems connected with the properties of gas solvents and emulsions. The authors also deal with the corrosion of the inner surface of gas pipelines. Correlations made by the authors are compared by mathematical calculations to permeabilities mentioned. References accompany each article.

References: L.D. Portsev and Z.G. Tikhonov. On the Accurate Determination of Flow in Pipelines

V. A. Serezhnikov and V.A. Mironov. Some Calculations on Gas Pipelines

B. G. Shchegolev and V. A. Mironov. Accurate Determination of the Gas Pipeline Transport Capacity

F. D. Slobodchikov and V.P. Babitsky. Effect of Converting Pipes on the Transport Capacity of a Gas Pipeline

S. M. Sosulin. On the Theory of Uncontrolled Gas System Flows Under External Pressure Through Long Straight Pipe Lines

F. G. Strelkov. Stationary Operating Conditions of a Supersonic Gas Jet

F. G. Strelkov and G.A. Zolotov. Successive Operations of Gas Ejections Under Stationary Supercritical Conditions

A. S. Khodanovich, I.Y. Khodanovitch, Study of the Adiabatic Supercooling of a Nitrogen Compressor, Carried Out With the Aid of a Variable Volume Reservoir

A. S. Khodanovich, I.Y. Khodanovitch, and V.P. Chirkov. Study of the Distractive Correlation of the Inner Surface of the Natural Gas Pipe

E. S. Sosulin, E.S. Slobodchikov, and A.N. Ponomarev. Study of the Process of Oil Spraying Used for the Artificially Produced Oil Saturation of Gas Pipelines

D. S. Slobodchikov, S. M. Sosulin. Experience gained in Mastering the Production of Oil Spray, and Its Utilization in a Natural Gas Distributing Network

207 (25)

TEMPEL', V.G.; KHODANOVICH, I.Ye.

Calculations for gas mains under nonstationary conditions of gas flow; discussion. Gaz. prem. 4 no.2:49-54 F '59.  
(MIRA 12:3)  
(Gas pipes)

KHODANOVICH, I.Ye.; TEMPEL', F.O.

Solving the problem on ~~gas~~ flow in pipelines by similarity  
application. Trudy VNIIGAZ no.5:201-213 '59. (MIRA 12:9)  
(Gas flow)

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CIA-RDP86-00513R000722120004-3

KHODANOVICH, I.Ye.; NANAYEV, V.A.

Calculating gas pipelines for unsteady flow. Trudy VNIIIGAZ  
no.5:214-227 '59.  
(Gas, Natural--Pipelines)

(MIRA 12:9)

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CIA-RDP86-00513R000722120004-3"

KHODANOVICH, I.Y.; MAMAYEV, V.A.

More exact method for calculating gas-pipeline capacities, "Prudy  
VNIIGAZ no.5:228-235 '59.  
(Gas, Natural—Pipelines) .  
(MIRA 12:9)

KHODANOVICH, I.Ye.; BAKALEYEV, V.P.

Effect of joint rings on gas-pipeline capacity. Trudy VNIIGAZ  
no.5:236-243 '59. (MIRA 12:9)  
(Gas, Natural--Pipelines)

**KHODANOVICH, I., Ye.; TEMPIL', F.G.**

Model analysis of nonstationary processes of gas flow in a main  
pipeline. Gas.prom. 4 no.8:34-39 Ag '59. (MIRA 12:11)  
(Gas, Natural—Pipelines) (Gas flow)

GRITSEV, Nikifor Davydovich; KHODANOVICH, I.Ye., red.;  
VVEDENSKIY, Ye.A., red.izd-va; ZAYNULLINA, G.Z., tekhn.red.

[Casinghead gases and trap petroleums in Bashkiria] Poput-  
nye gazy i trapnye nefti Bashkirii. Ufa, Bashkirscoe  
knizhnoe izd-vo, 1960. 157 p. (MIRA 16:10)  
(Bashkiria--Gas, Natural) (Bashkiria--Petroleum)

KHODANOVICH, I.Ye.; TEMPEL', F.G.

Approximate computation for high pressure circular system of gas  
pipelines. Gaz. prom. 5 no. 12:39-42 D '60. (MIRA 14:1)  
(Gas, Natural--Pipelines)

KHODANOVICH, I.Ye.; MAMAYEV, V.A.; ODISHARIYA, G.B.

Formula for calculating the capacity of gas pipelines. Trudy  
VNIIGAZ no.8:3-13 '60. (MIRA 15:5)  
(Gas, Natural—Pipelines)

KHODANOVICH, I.Ye.; MAMAYEV, V.A.; NEPELOVA, N.V.; GANCHEVA, G.P.

Pressure change in a pipeline during the unsteady gas flow.  
Trudy VNIIGAZ no.8:14-26 '60. (MIRA 15:5)  
(Gas, Natural--Pipelines)

MAMAYEV, V.A.; KHODANOVICH, I.Ye.

Relationship between the contamination in gas suspensions and the capacity of gas pipelines. Trudy VNIIGAZ no.8:43-49 '60.

(MIRA 15:5)

(Gas, Natural—Pipelines)

TEMPEL', F.G.; KHODANOVICH, I.Ye.

Self-similar drop liquid flow in pipelines. Trudy VNIIGAZ  
no.8:50-58 '60. (MIRA 15:5)  
(Pipelines--Hydrodynamics)

MAMAYEV, V.A.; KHODANOVICH, I.Ye.

Flow and energy equations of two-phase systems in the presence of  
phase transformation. Trudy VNIIGAZ no.8:78-83 '60. (MIRA 15:5)  
(Pipelines--Hydrodynamics)

KHODANOVICH, Ivan Yefimovich; SVIATITSKAYA, K.P., vedushchiy red.; POLOSINA,  
A.S., tekhn. red.

[Analytic principles in planning and using gas pipelines] Analiticheskie osnovy proektirovaniia i ekspluatatsii magistral'nykh gazoprovodov. Moskva, Gos. nauchno-tekm. izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 126 p.  
(Gas, Natural—Pipelines)

(MIRA 14:7)

KHODANOVICH, I. E., BARABASH, B. V., and ALEKSANDROV, A. V.

"Calculation of Pipelines and Prerequisites for Choosing Optimum  
Gas Transmission Conditions."

report presented at the Eighth International Gas conference at Stockholm,  
28 30 June 61

ALEKSANDROV, A.V.; BARABASH, B.V.; KHODANOVICH, I.Ye.

Calculation of gas pipelines and the premises for selecting optimum  
conditions for gas pipelining. Gaz. prom. 6 no.6:17-23 '61.  
(MIRA 14:9)

(Gas, Natural--Pipelines)

KHODANOVICH, I.Ye.; NEFELOVA, N.V.; ODISHARIYA, G.E.; MAMAYEV, V.A.;  
GANCHEVA, G.P.; KIM, Ye.

Study of regularities of pressure change and gas movement along  
a gas pipeline in unsteady flow. Trudy VNIIGAZ no.13:3-26 '61.  
(MIRA 14:12)

(Gas, Natural--Pipelines)

KHODANOVICH, I.Ye.; TEMPEL', F.G.

Method of calculating the accumulative capacity of a gas pipeline  
taking into account the propagation rate of a pressure wave front.  
Trudy VNIIGAZ no.13:50-56 '61. (MIRA 14:12)

(Gas, Natural---Pipelines)

KHODANOVICH, I.Ye.; MAMAYEV, V.A.

Estimating the capacity of gas pipelines carrying two-phase systems. Trudy VNIIGAZ no.13:57-72 '61. (MIRA 14:12)  
(Gas, Natural--Pipelines)

KHODANOVICH, I.Ye.; MAMAYEV, V.A.; ODISHARIYA, G.E.; NEFEOLOVA, N.V.

Method of hydraulic calculation of pipelines for transporting  
a gas-liquid mixture. Trudy VNIGAZ no.13:73-81 '61. (MIRA 14:12)  
(Gas, Natural--Pipelines)

KRIVOSHEIN, B.L.; KHODANOVICH, I.Ye.

Effect of condensate on the efficiency of a gas pipeline.  
Trudy VNIIGAZ no.13:93-103 '61. (MIRA 14:12)  
(Gas, Natural--Pipelines)

KHODANOVICH, I.Ye.; MAMAYEV, V.A.

Effect of the profile of a pipeline route on its capacity in  
concurrent flow of liquid and gas. Trudy VNIIGAZ no.13:104-109  
'61. (MIRA 14:12)

(Gas, Natural--Pipelines)

KHODANOVICH, I.Ye.; ROZIN, M.Ye.; ODISHARIYA, G.E.; BAZUNOV, I.B.G.

Statistical control of the capacity of operating gas pipelines  
and an efficiency evaluation. Trudy VNIIGAZ no.13:110-119 '61.  
(MIRA 14:12)

(Gas, Natural--Pipelines)

KHODANOVICH, I.Ye.; GVOZDEV, B.P.; MAMAYEV, V.A.

Quantitative correlation between film liquids and liquids with suspended drops in gas and condensate flow in a pipeline. Trudy VNIIGAZ no.13:130-134 '61. (MIRA 14:12)  
(Gas, Natural—Pipelines)

SARKIS'YANTS, Gayk Arkad'yevich; BEN'YAMINOVICH, Osip Aleksandrovich;  
KEL'TSEV, Vladimir Vladimirovich; KEL'TSEV, Nikolay  
Vladimirovich; POLOZKOV, Vladimir Tikhonovich; KHALIF, A.  
Al'bert L'vovich; KHODANOVICH, Ivan Yefimovich; RAABEN, V.N.,  
kand. tekhn. nauk, retsenzsent; PLETNEV, K.N., inzh., red.; LEVINA,  
Ye.S., ved. red.; POLOSINA, A.S., tekhn. red.

[Processing and utilization of gas] Pererabotka i ispol'zovanie  
gaza. [By] G.A. Sarkis'iants i dr. Moskva, Gostekhizdat, 1962.  
216 p. (MIRA 16:3)

1. Kafedra gaza Azerbaydzhanskogo ordena Trudovogo Krasnogo Zna-  
meni instituta nefti i khimii im. M. Azizbekova (for Raaben, Pletnev).
2. Zamestitel' direktor Vsesoyuznogo nauchno-issledovatel'skogo  
instituta gazovoy promyshlennosti (for Raaben).

(Gas, Natural)

(Gas industry--Equipment and supplies)

SMIRNOV, Aleksandr Sergeyevich, doktor tekhn. nauk, prof.; GENKINA,  
Liya Aleksandrovna, inzh.; KHUSHPULYAN, Mikhail Menzikovich,  
inzh.; CHERNOV, Dmitriy L'vovich, inzh.; KHODANOVICH, I.Ye.,  
kand. tekhn. nauk; STOTSKIV, L.R., red.; VRONSKIY, L.N.,  
ved. red.; VORONOVA, V.V., tekhn. red.

[Transportation and storage of gas] Transport i khranenie  
gaza. [By] A.S.Smirnov i dr. Moskva, Gostoptekhizdat, 1962. 421 p.  
(MIRA 15:6)

(Gas, Natural--Storage)  
(Gas, Natural--Transportation)

ZAREMBO, L.K., kand. fiz.-mat. nauk; KARPOV, A.K., inzh.; LEGOSTAYEV, P.Ya., kand. tekhn. nauk; BRODSKIY, Yu.N., kand. tekhn. nauk; KHRENOV, N.S., inzh.; KHODANOVICH, I.Ye., kand. tekhn. nauk; BRISKMAN, A.A., kand. tekhn. nauk; GORODETSKIY, V.I., inzh.; NIKITIN, A.A., inzh.; GILL', B.V., inzh.; KRAYZEL'MAN, S.M., inzh.; DZHAFAROV, M.D., inzh.; LUNEV, A.S., kand. tekhn. nauk; NIKITENKO, Ye.A., inzh.; YERSHOV, I.M., kand. tekhn. nauk; ZAYTSEV, Yu.A., inzh.; MAGAZANIK, Ya.M., inzh.; SHAROVATOV, L.P., inzh.; RABINOVICH, Z.Ya., inzh.; BIBISHEV, A.V., inzh.; ASTAKHOV, V.A., dots.; KOMYAGIN, A.F., kand. tekhn. nauk; ANDERS, V.R., inzh.; SERGOVANTSEV, V.T., kand. tekhn. nauk, dots.; UTKIN, V.V., inzh.; KUZNETSOV, P.L., inzh.; MAMAYEV, M.A., inzh.; SVIATITSKAYA, K.P., ved. red.; FEDOTOVA, I.G., tekhn. red.

[Handbook on the transportation of combustible gases] Spravochnik po transportu goriuchikh gazov. Moskva, Gostoptekhizdat, 1962. 887 p. (MIRA 15:4)  
(Gas, Natural--Transportation)

KRIVOSHEIN, B.L.; KRODANGVICH, I.Ye.

'Determining the integral throttle effect of natural gas. Gas.  
prom. 8 no.1s47-51 '63  
(MIRA 17r7)

KHODANOVICH, I.Ye.; MAMAYEV, V.A.

Effect of liquid in gas flow on the hydraulic resistance of a  
pipeline. Gaz. prom. 8 no.6:36-38 '63. (MIRA 17:8)

KHODANOVICH, I.Ye.; LAKEYEV, V.P.; KOSHELEV, V.A.

Preparation of gas for long-distance transportation. Gaz. de'lo  
no.9:9-12 '64. (MIRA 17:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut prirodного gaza.

KHODANOVICH, I.Ye.; BORISOV, S.N.; GALIULLIN, Z.T.; KRIVOSHEIN, B.L.

Determining the location of a gas-gathering point on the  
field on the basis of minimal capital investment. Trudy  
VNIIGAZ no.21/29:10-13 '64. (MIRA 17:9)

KRIVOSHEIN, B.L.; KHODANOVICH, I.Ye.

Determining the interval throttle effect of natural gas.  
Trudy VNIIGAZ no.21/29:14-22 '64.

Determining the dimensions and the hydraulic resistance of  
~~an "inverted chamber" type gas condensate collector.~~  
Ibid. 162-71 (MFG 1779)

KHODANOVICH, I.Ye.; GALIULLIN, Z.T.; KRIVOSHEIN, B.L.

Flow of real gas in pipes with porous walls. Trudy VNIIGAZ  
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Nonisothermal flow of a real gas in a gas pipeline with a  
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(MIRA 17:9)

KHODANOVICH, I.Ye.; ZAREMO, K.S.; SHALIMOV, B.V.; KRIVOSHEIN, B.L.

Calculation of the temperature change in a gas based on the  
length of the pipeline. Trudy VNIIGAZ no.21/29:43-48 '64.  
(MIRA 17:9)

KHODANOVICH, I.Ye.; NEFELLOVA, N.V.; KRIVOSHEIN, B.L.

Effect of the hydraulic resistances of pipeline stopclocks on  
the flow-through capacity of gas pipelines. Trudy VNIIGAZ  
no.21/29:72-77 '64. (MIRA 17:9)

GALIULLIN, Z.T.; KHODANOVICH, I.Ye.

Calculating city gas pipelines on the basis of minimal capital expenditures. Trudy VNIIGAZ no.21/29:113-117 '64.  
(MIR 17:9)

KHODANOVICH, I.Ye.; KRIVOSHEIN, B.L.; GULYAYEV, A.I.; NIZIYENKO, I.G.;  
CHERNOBYL'SKIY, V.A.

Results of factory tests of an expansion-chamber condensate  
tank with automatic cleaning. Gaz. delo no.6/7:65-68 '63.  
(MIRA 17:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut prirodного  
gaza, Krasnodarskoye upravleniye magistral'nykh gazoprovodov  
i Gosudarstvennyy proizvodstvennyy komitet po gazovoy  
promyshlennosti SSSR.

KHODANOVICH, I.Ye.; ODISHARIYA, G.E.

Analyzing the dependence for the coefficient of hydraulic  
resistance. Gaz. prom. 9 no.11:38-42 '64. (MIRA 17:12)

GRITSEV, Nikifor Davydovich; KHODANOVICH, I.Ye., red.; CHOPOROVA,  
I.Ye., ved. red.

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poteriami uglevodorofov na promyslakh. Moskva, Nedra,  
1965. 206 p. (MIRA 18:7)

ABDULLAYEV, M.N.; GALIULLIN, Z.T.; KRIVOSHEIN, B.L.; KHODANOVICH, I.Ye.

Analytic method for determining the locations of gas leakage in gas pipelines. Izv. vys. ucheb. zav.; neft' i gaz. 8 no.5:85-88 '65.  
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1. Azerbaydzhanskiy politekhnicheskiy institut i Vsesoyuznyy nauchno-issledovatel'skiy prirodnogo gaza.

GALIULLIN, Z.T.; KRIVOSHEIN, B.L.; KHODANOVICH, I.Ye.

Analytical basis for selecting the optimal version of the  
network routes of gas pipelines. Gaz.prom. 10 no.2:42-45  
'65. (MIRA 18:12)

YUSHINA, Galina Ivanovna, kand.med.nauk; KHODANOVICH, L.B., red.;  
TSAY, A.A., tekhn. red.

[How osteoarticular tuberculosis starts] Kak nachinaetsia  
kostno-sustavnoi tuberkulez. Tashkent, Medgiz UzSSR, 1962.  
26 p. (MIRA 15:7)  
(BONES—TUBERCULOSIS) (JOINTS—TUBERCULOSIS)

SAID-AKHMEDOV, Arvar Akhrarovich, prof.; XHODANOVICH, L.B., red.;  
TSAY, A.A., tekhn. red.

[Tuberculosis in children] Tuberkules u detsei. Tashkent,  
Medgiz UzSSR, 1962. 18 p. (MIRA 15:9)  
(TUBERCULOSIS)

FROLOV, Anatoliy Ivanovich; KHODANOVICH, L.B., red.; PYLAEVA,  
L.N., tekhn. red.

[Practices in growing transportable grape varieties on  
the state farms of Tashkent Province] Opyt vyrashchivaniia  
transportabel'nykh sortov vinograda v sovkhzakh Tashkent-  
skoi oblasti. Tashkent, M-va sel'khoz UzSSR, 1962. 26 p.  
(MIRA 16:5)

(Tashkent Province--Grapes--Varieties)

*KHODANOVICH, M.A.*

USER/Soil Science - Cultivation, Amelioration, Erosion.

J-4

Abs Jour : Ref Zhur - Biol., No 2, 1958, 5804

Author : Bayko, V.P., Khodanovich, M.A.

Inst : Institute of Agriculture of the Central Chernozem Belt  
imeni V.V. Dokuchayev

Title : Deep Plowing Without the Moldboard for Corn and Sunflower

Orig Pub : Zemledeliye, 1956, No 9, 73-76

Abstract : The experiment was conducted in the Institute of Agriculture of the Central Chernozem Belt imeni V.V. Dokuchayev in 1954 on an 8-field rotation. The experiment was organized as follows: (1) one surface plowing and then a moldboard plowing with the coulter set at 25-27 cm., (2) two surface plowings and a plowing without the moldboard and at a depth of 25-40 cm., using 5K-35 plows with both the coulter and the moldboard removed. In 1955 Voronezhskaya

Card 1/2

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000722120004-3"

*KHODANOVICH, M.A.*

USSR/Cultivated Plants - Grains.

M-2

Abs Jour : Ref Zhur - Biol., No 20, 1958, 91647

Author : Khodanovich, M.A.

Inst : Scientific Research Institute of Agriculture for the  
Central Chernozem Belt.

Title : The Basic Soil Preparation for Corn in Connection with  
the Recommendations of T.S. Mal'tsev in the South-Eastern  
Part of the Central Chernozem Belt.

Orig Pub : Byul. nauchno-tekhn. inform. N.-i. In-ta s. kh. tsentr. -  
chernozemn. polosy, 1957, No 3, 14-18.

Abstract : The results of experiments made in 1956 with double stubble plowing: soil mellowing to a depth of 40 cm without using a grader, plowing with a moldboard plow with a coulter to 27 cm deep and with a sub-soil plow to 12 cm, plowing with a moldboard plow with a coulter to a depth of 27

USSR / Cultivated Plants. Plants for Technical Use.  
Sugar Plants.

11-6

Abs Jour: Ref Zhur-Biol., 1958, No 16, 73067.

Author : Khodanovich, M. A.  
Inst : All-Union Academy of Agricultural Sciences imeni  
V. I. Lenin.  
Title : Development of the Root System and Harvest Yield  
of Corn and Sunflower under Deep Plowing with and  
Without a Blade Grader.

Orig Pub: Dokl. VASKHNIL, 1957, <sup>22</sup> No 10, 26-33.

Abstract: Three methods of basic cultivation were studied on average chernozem: blade-grader plowing with a coulter to a depth of 27 cm, the same with a subsoiler at 12 cm, and plowing without a blade grader to a depth of 40 cm. To determine the total reserve of roots in the layers, soil monoliths were

Card 1. Nauchno-issledovatel'skiy institut sel'skogo khozyaystva tsentral'no-chernozemnoy polosy im. V.V. Dokuchayeva.  
(Tillage) (Corn (Maize)) (Sunflowers) (Roots (Potato))

USSR / Cultivated Plants. Plants for Technical Use. M-6  
Sugar Plants.

Abs Jour: Ref Zhur-Biol., 1958, No 16, 73067.

**Abstract:** taken (35 X 35) to a depth of 50 cm in the period before the formation of suckers in the corn and before the formation of anthodia in the sunflower and then to a depth of 1 m during flowering of the plants. The active part of the root systems was determined by the Kolosov method (by absorption of methylene blue). The most active-absorption capacity of the root system both in corn and in sunflower was with blade-grade plowing with a sub-soiler. Such cultivation of the soil assured the obtaining of highest harvests of these crops. The increase in harvest of corn and sunflower with plowing without a blade grader in comparison with plowing with a blade grader at 27 cm was achieved by means of increasing the depth of cultivation.

Card 2/3

Card 3/3

107

KHODANOVICH, M. A., Candidate Agric Sci (diss) -- "A comparative study of various procedures of working frozen soil under corn and sunflowers, under the conditions of the southeastern part of the central chernozem belt". Moscow, 1959. 20 pp  
(Moscow Order of Lenin Agric Acad im N. A. Timiryazev), 110 copies (KL, No 25, 1959, 138)

PREVO, Anatoliy Anatol'yevich; PEL'TSER, Sergey Oskarovich;  
KHODANOVICH, Ya.Ye., kand. sel'khoz. nauk, retsenzent;  
SAVEL'YEV, I.K., kand. sel'khoz. nauk, retsenzent;  
GOLOVKINA, N.M., prepod. sredney shkoly, retsenzent;  
YEMEL'YANOV, F.V., red.; YEFIMOV, A.L., red.; TSYPKO, R.V.,  
tekhn. red.

[Poultry raising] Ptitsevodstvo; uchebnoe rukovodstvo dlja  
uchashchikhsia sel'skikh srednikh shkol s proizvodstvennym  
obucheniem. Moskva, Uchpedgiz, 1963. 189 p.

(MIRA 16:10)

(Poultry)

**KHODARENKO, Z., kombayner.**

Rural efficiency experts need help. Sov.profsoiuzy 4 no.8:67-68 Ag  
'56. (MIRA 9:10)

1.Chilinskaya Mashinno-traktornaya stantsiya, Tomskaya oblast'.  
(Tomsk Province--Machine-tractor stations)

KHODAREV, A.

Air cleans bore holes. Tekh. mol. 28 no. 12:22 '60.

(MIRA 13:12)

(Oil well drilling)

BELAN, N.Ya., inzh.; KHODAREV, D.V., inzh.

Results of one year of work of track sections. Put' i put. khoz. no.8:  
16-17 Ag '59.  
(MIRA 13:3)

1.Machal'nik otdela puti, zdaniy i soorusheniy Luganskogo otdeleniya  
Donetskoy dorogi (for Belan). 2.Machal'nik otdela puti, zdaniy i  
soorusheniy Krasnolimanskogo otdeleniya Donetskoy dorogi (for Khodarev).  
(Railroads--Management)

EHODAREV, N. N.: "The use of sintomycin to treat ulcers of the conjunctival membrane, and superficial, herpetic, and phlyctenular keratitis." Second Moscow State Medical Inst imeni I. V. Stalin. Moscow, 1956.  
(Dissertation for the Degree of Candidate in Medical Sciences).

SO: Knizhnaya letopis', No 23, 1956

KHODAREV, N.N.; KRAMER, A.A.

Clinical use of  $J^{131}$ -labelled cardiotrast for separate functional examination of the kidneys. Med. rad. 10 no.9:43-46 S '65. (MIRA 18:10)

1. Laboratoriya radioisotopnoy diagnostiki (zav. - prof. M.N. Fateyeva) Instituta meditsinskoy radiologii AMN SSSR i Institut terapii (zav. otdeleniyem - prof. N.A.Ratner) AMN SSSR, Moskva.

REGINSKIY, A.N.; KHODAREV, N.N.; KRAMER, A.A.

Scanning of the kidneys with Hg<sup>203</sup>-labelled neohydriine; an experimental study. Med. rad. 10 no.9:47-50 S '65.

1. Institut meditsinskoy radiologii (zav. laboratoriyev - prof. M.N. Fateyeva) i Institut terapii (zav. otdeleniyem - prof. N.I. Ratner)  
AMN SSSR. Moskva. (MIRA 18:10)

*KHODAREV N.N.*

EXCERPTA MEDICA Sec 12 Vol 13/8 Ophthalmology Aug 59

1250. SYNTIOMYCIN THERAPY IN INFLAMMATORY DISEASES OF THE CORNEA (Russian text) - Khodarev N. N. - VESTN. OFTALM. 1958 <sup>71</sup> <sub>14</sub>

(38-43)

The author studied the therapeutic effect of synthomycin in 141 patients with ulcers of the cornea, and superficial and herpetic keratitis. Simultaneously, he carried out determinations of the periods needed for disappearance of pathogenic microflora in cultures from the conjunctiva of patients treated with synthomycin. A comparative study of the effects of synthomycin, penicillin and albucid on the pathogenic microflora in vitro was also conducted. The results of this work demonstrated that synthomycin, when used locally in 0.3% solution of 1% emulsion (in grave forms, also per os), is a highly effective drug for treatment of corneal ulcers and keratitis. Synthomycin therapy quickly arrested the disease in 135 patients, including 23 patients of the 25 with herpetic keratitis. Synthomycin had a more pronounced bacteriostatic effect than albucid or penicillin, in experiments in vitro. Comparison of results obtained by the author with data on treatment of analogous diseases in 173 further patients (obtained from the files), demonstrated that synthomycin de-

1. *Moskovskaya glaznaya klinicheskaya bol'ница (nauchnyy rukovoditel'*  
*prof. M.L. Krasnov).*

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CIA-RDP86-00513R000722120004-3

1250

creases the period of recovery and gives good visual results. Therefore, syntho-mycin may be recommended as an effective means of treatment in inflammatory diseases of the cornea.

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722120004-3"

KHODAREV, N.N.

Determination of kidney function under clinical conditions with radioactive isotopes; a review of foreign literature. Med. rad. 9 no.1:60-74 Ja '64. (MIRA 17:9)

1. Institut meditsinskoy radiologii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. G.A. Zedgenidze).

KHODAREV, S.

Modernizing channel dredging and maintenance fleet on the Kama.  
Rech. transp. 21 no.9:37-38 S '62. (MIRA 15:9)

1. Zamestitel' nachal'nika mashino-stroitel'noy stantsii  
Kamskogo Basseynovogo upravleniya puti.  
(Dredging machinery) (Work boats)

L 2476-66 FSS-2/EWT(1)/FS(z)/EWA(d)  
ACCESSION NR: AP5025243

TR/CW

UR/0026/65/000/009//002/P004

AUTHOR: Keldysh, M. V. (Academician); Lebedinskiy, A. I. (Professor); Khodarev, Yu. K. (Engineer); Masevich, A. G. (Doctor of physico-mathematical sciences)

TITLE: First results of an important experiment [Preliminary evaluation of Zond-3 moon photos]

SOURCE: Priroda, no. 9, 1965, II-IV

TOPIC TAGS: moon, Zond 3, lunar topography, selenology, moon far side, lunar probe, lunar surface, selenography

ABSTRACT: A preliminary evaluation is given of the photographs of the far side of the moon obtained by Zond-3. The following observations are based on statements made by M. V. Keldysh, A. I. Lebedinskiy, Yu. K. Khodarev, and A. G. Masevich at a press conference held on 23 August 1965. Spectra of the lunar surface were photographed in the 3500—2500-Å wavelength range, and spectrophotometry was carried out in the ultraviolet range from 2700 to 1900 Å and in the infrared from 4 to 3 microns. The probe employed a specially devised small-size phototelevision system that ensured protection of the film against cosmic radiation. The camera had an objective with a focal length of 106.4 mm and a relative aperture of 1:8. Special film 25 mm in width and exposure times of 1/100 and 1/300 sec were used. The photographs were ex-

Card 1/2

KHODAREVA, R.B.; TISHINA, Ye.N., kandidat meditsinskikh nauk

Problem of the association of eosinophilic granuloma with xanthomatosis (Hand-Christian-Schueller syndrome). Pediatriia 39 no.2: 83-86 Mr-Ap '56.

(MIR 9:8)

1. Iz kafedry propedevtiki detskikh bolezney (zav.-prof. V.A. Vlasov) II Moskovskogo meditsinskogo instituta imeni I.V. Stalina na base Detskoj bol'niцы imeni N.F. Filatova (glavnyy vrach M.V. Kalugina)

(LIPOIDOSIS, in infant and child,  
Hand-Christian-Schueller synd. (Rus))

TUGARINA, P.Ya.; KHODAREVA, T.A.

Food coefficient and one day's ration of the young of the grayling  
Thymallus arcticus baicalensis Dyb. Vop. ikht. 3 no.2:414-4,16  
'63. (MIRA 16:7)

1. Biologo-geograficheskiy institut Irkutskogo universiteta.  
(Baikal, Lake--Grayling)  
(Baikal, Lake--Fishes--Food)

PRAVILLOVA, T.A.; SOLECHNIK, N.Ya.; KHODARINOVA, G.N.

Effect of the electromagnetic field of high-frequency currents  
on paper. Trudy LTA no.91:145-153 '60. (MIRA 15:12)

1. Laboratoriya konservatsii i restavratsii dokumentov  
AN SSSR.

(Paper--Disinfection) (Electromagnetism)  
(Materials at high temperatures)

NEVEROVSKAYA, V.O. [Nevierovs'ka, V.O.]; KHODARKOVSKIY, A.I.  
[Khodarkova's'kyi, A.I.]

Improved design of the apparatus for parallel winding on the  
MT-150 cross winder. Leh. prom. no. 4:76-77 O-D '63.

KHODAS, K.

Khodas, K.: A mass-production method of the processing of large meat products", Myas. industriya, No., 1949, p. 23-26.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 10, 1949).

KHODAS, K., glavnnyy inzhener.

At the enterprises of the Sverdlovsk meat packing trust. Mias.  
ind. SSSR 24 no.5:33-34 '53. (MERA 6:12)

1. Sverdlovskiy trest Glavmyasa.  
(Sverdlovsk Province--Meat industry)  
(Meat industry--Sverdlovsk Province)

KHODAS, X.

On the road of technical progress. Mias.ind.SSSR 26 no.5:9-13 '55.  
(MLRA 9:2)

1.Glavnyy inzhener Sverdlevskogo myasotresta.  
(Sverdlevsk Province--Meat industry)

KHODAS, M. Ya.

KHODAS, M. Ya. -- "Electrophoretic Investigation of Protein Fractions in the Blood During Experimental Hypertension." Sub 17 Jun 52, Central Inst for the Advanced Training of Physicians. (Dissertation for the Degree of Candidate in Medical Sciences.)

SO: Vechernaya Moskva January-December 1952

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Electrophoretic analysis of protein fractions in plasma in experimental hypertension. M. Ya. Khodas. Voprery Med. Akad. Nauk SSSR, No. 5, 97-105(1953); Voprery Med., 1954, No. 14704.—Details of expts. carried out on dogs over a long period of time are reported. M. Hosh.

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722120004-3"

KHODAS, M.V.

Fluorescence microscopy of the peripheral blood following x-irradiation.  
Med. rad. 4 no.3:44-48 Mr '59. (MIRA 12:7)  
(LEUKOCYTES, effect of radiation,  
x-rays, luminescence microscopy (Rus))  
(ROENTGEN RAYS, effects,  
on leukocytes, luminescence microscopy (Rus))

KHODAS, M.Ya.

Fluorescence microscopy of peripheral blood. Biofizika 5 no.3:369-  
373 '60. (MIRA 13:7)

1. Gosudarstvennyy nauchno-issledovatel'skiy onkologicheskiy institut  
im. P.A. Gertsena, Moskva.  
(LEUCOCYTES) (MICROSCOPY) (FLUORESCENCE)

PETROVSKIY, B.V.; SOLOV'YEV, G.M.; ARKATOV, V.A.; KHODAS, M.Ya.

Experience in working with an apparatus for artificial blood circulation from the Research Institute for Experimental Surgical Apparatus and Instruments. Trudy NIIEKHAL no.5:119-124 '61.  
(MIRA 15:8)

1. Iz gospital'noy khirurgicheskoy kliniki 1-go Moskovskogo ordena Lenina meditsinskogo instituta im. I.M.Sechenova.  
(PERFUSION PUMP (HEART))

KHODAS, M.Ya. (Moskva, Krasnopresnenskaya nab.d.1/2, kv.163);  
PYATNITSKAYA, G.Kh.; ZHIDOVETSKAYA, A.S.

Neutralization of heparin by protamine sulfate during artificial blood circulation. Klin.khir. no.7:59-62 Jl '62. (MIRA 15:9)

1. Laboratoriya iskusstvennogo krovoobrashcheniya (nauchnyy rukovoditel' - deystvitel'nyy chlen AMN SSSR prof. B.V.Petrovskiy, zav. - doktor med.nauk G.M.Solov'yev) Nauchno-issledovatel'skogo instituta eksperimental'noy khirurgicheskoy apparatury i instrumentariya na baze gospital'noy khirurgicheskoy kliniki. (HEPARIN) (PROTAMINES) (BLOOD--CIRCULATION, ARTIFICIAL)

SOLOV'YEV, G.M.; KHODAS, M.Ya.

Dynamics of myocardial oxygen tension in artificial circulation.  
Kardiologija 2 no.5:33-37 S-0 '62. (MIRA 15:12)

1. Is laboratorii iskusstvennogo krovoobrashcheniya (nauchnyy rukovoditel' - deystvital'nyy chlen AMN SSSR prof. B.V. Petrovskiy, zav. - doktor med.nauk G.M.Solov'yev) Nauchno-issledovatel'skogo instituta eksperimental'noy khirurgicheskoy apparatury i instrumentov na base gospital'noy khirurgicheskoy kliniki I Mskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.

(BLOOD—CIRCULATION, ARTIFICIAL)(HEART—MUSCLE)  
(OXYGEN IN THE BODY)

RYSHKIN, V. S.; KHODAS, M. Ya.

Change in the tension of oxygen in the cerebral cortex and myocardium of the left ventricle during heart massage. Eksper.  
khir. no. 3:11-15 '62. (MIRA 15:7)

1. Iz gospital'noy khirurgicheskoy kliniki (dir. - deystviteльnyy chlen AMN SSSR prof. B. V. Petrovskiy) I Moskovskogo meditsinskogo instituta.

(CARDIAC RESUSCITATION) (OXYGEN IN THE BODY)  
(CEREBRAL CORTEX) (HEART—MUSCLE)

RAYSKINA, M. Ye.; SAMOYLOV, Z.T.; KHODAS M. Ya. (Moskva)

New data on the effect of adrenaline and noradrenaline on the supply of oxygen to the heart. Pat. fiziol. i eksp. terap. '7 no.2:19-26 Mr-Ap'63. (MIRA 16:10)

1. Iz kafedry patofiziologii (zav. - prof. S.M. Leytes) Tsentral'nogo instituta usovershenstvovaniya vrachey.  
(HEART—BLOOD SUPPLY) (OXYGEN IN THE BODY)  
(ADRENALINE)

KHODAS, M.Ya. (Moskva); SHIMELIOVICH, L.B. (Moskva); RAYSKINA, M.Ye. (Moskva); SAMOYLOVA, Z.T. (Moskva)

Determination of oxygen tension in the myocardium by polarography. Pat. fiziol. i eksp. terap. 7 no.2:73-76 Mr-Ap'63.  
(MIRA 16:10)

1. Iz kafedry patofiziologii (zav. - prof. S.M.Leytes) TSentral'-nogo instituta usovershenstvovaniya vrachey.  
(HEART-MUSCLE) (OXYGEN IN THE BODY)

RAYSKINA, M. Ye.; KHODAS, M. Ya.; SAMOYLOVA, Z.T.

Significance of blood supply disorders of the heart in the  
mechanism of death during the acute stage of myocardial  
infarct. Kardiologiya 3 no.4&45-50 Jl-Ag'63 (MIRA 1783)

1. Iz kafedry patofiziologii ( zav. - prof. S.M. Leytes)  
TSentral'nogo instituta usovershenstvovaniya vrachey.

KERIMOV, G.M.; KHODAS, M.Ya.

Change in the oxidation-reduction processes in the combination  
of extracorporeal blood circulation and moderate hypothermia,  
Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.5:95-106 '63.  
(MJRA 17:5)

RAYSKINA, M.Ye.; SAMOYLOVA, Z.T.; KHODAS, M.Ya.

Importance of disorders in the blood supply of the heart in  
the death mechanism during the acute stage of myocardial  
infarction. Trudy Inst. klin. i ekspar. kard. AN Gruz. SSR  
8:419-422 '63.  
(MIRA 17:7)

1. Kafedra patofiziologii Tsentral'nogo instituta dlya  
usovershenstvovaniya vrachey, Moskva.

SAMOYLOVA, Z.T.; RAYSKINA, M.Ye.; KHODAS, M.Ya. (Moskva)

Significance of disorders of the heart blood supply in the mechanism of death from myocardial infarct in dogs with atherosclerosis. Pat. fiziol. i eksp. terap. 7 no.4: 22-26 Jl-Ag '63. (MIRA 17:9)

1. Iz kafedry patofiziologii (zav.- prof. S.M. Leytes) TSentral'nogo instituta usovershenstvovaniya vrachey.

OSIPOV, V.P.; KHODAS, M.Ya.

Changes in the oxygen tension of the cerebral cortex during controlled arterial hypotension. Eksp. khir. i anest. 8 no.5:72-74 S-D '63. (MIRA 17:6)

1. Laboratoriya anestesiologii (zav.- kand. med. nauk O.D. Kolyutskaya) na baze Hospital'noy khirurgicheskoy kliniki (direktor - deyastvital'nyy chlen AMN SSSR prof. B.V. Petrovskiy) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.

ACCESSION NR: AP4017132

S/0239/64/050/002/0183/0186

AUTHOR: Abinder, A. A.; Khodas, M. Ya.

TITLE: Effect of central nervous system electroshock on oxygen tension and pH of brain tissue

SOURCE: Fiziologicheskiy zhurnal SSSR, v. 50, no. 2, 1964, 183-186

TOPIC TAGS: cerebral electroshock, oxygen tension, brain tissue pH, brain blood circulation, respiration volume, brain oxidation process

ABSTRACT: The effect of electroshock on oxygen tension, pH, local blood circulation change in the brain, and respiration volume were investigated separately in three groups of guinea pigs. Animals were trepanned and subjected to square impulses (1.5 to 3.5 ma 40 cps) for 10 to 15 sec with 25 to 30 sec intervals for long duration electroshock (6 min) and short duration electroshock (2 min). Oxygen intensity was measured using a pair of electrodes and a RO-4 polarograph, pH was measured using an antimony electrode and a pH meter, and local blood circulation was recorded by a needle thermal pickup. Respiratory musculature mechanograms were recorded by a piezopickup and respiratory volume change was recorded by a photo-

Card 1/2

ACCESSION NR: AP4017132

pickup system devised by V. G. Filiminov (1962). Results show that with cerebral brain electroshock oxygen tension decreases for a short period and then steadily increases depending on intensity and duration of electroshock. Brain tissue pH shifts into the alkaline range with short duration electroshock and into the acid range with long duration electroshock. Local blood circulation in the brain is temporarily reduced by electroshock and is restored to normal after 9 to 12 min. Respiration volume decreases with long duration electroshock and increases with short duration electroshock. Oxygen tension increase under electroshock conditions may be attributed to depressed oxidation processes in brain tissue. Orig. art. has: 2 tables and 1 figure.

ASSOCIATION: Kafedra patologicheskoy fiziologii I-go Moskovskogo meditsinskogo instituta i laboratorii iskusstvennogo krovoobrashcheniya NIIEKhM i I, Moskva (Pathological Physiology Department of the 1st Moscow Medical Institute and Artificial Blood Circulation Laboratory NIIEKhM and I, Moscow)

SUBMITTED: 11Mar63 DATE ACQ: 18Mar64 ENCL #: 00  
SUB CODE: LS NR REF Sov: 006 OTHER: 003  
Card 2/2

RAYSKINA, M.Ye.; SAMOYLOVA, Z.T.; KHODAS, M.Ya.

Effect of acetylcholine on the oxygen balance of the heart.  
Farm. i toks. 27 no.4:451-454 Jl-Ag '64.

(MIRA 17:11)  
1. Kafedra patofiziologii (zav. - prof. S.M. Leytes) TSentral'-  
nogo instituta usovershenstvovaniya vrachey, Moskva.